Installation Instruction

Single Point Wiring Kit

KFAEH Electric Heaters

NOTE: Read the entire instruction manual before starting the installation.
This symbol → indicates a change since the last issue.

SAFETY CONSIDERATIONS

Improper installation, adjustment, alteration, service, maintenance, or use can cause explosion, fire, electrical shock or other conditions which may cause personal injury or property damage. Consult a qualified installer, service agency, or your distributor or branch for information or assistance. The qualified installer or agency must use factory-authorized kits or accessories when modifying this product. Refer to the individual instructions packaged with the kits or accessories when installing.

Follow all safety codes. Wear safety glasses and work gloves. Use quenching cloth for brazing operations. Have fire extinguisher available. Read these instructions thoroughly and follow all warnings or cautions attached to the unit. Consult local building codes and National Electrical Code (NEC) for special requirements.

Recognize safety information. This is the safety-alert symbol ⚠ . When you see this symbol on the unit and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal words DANGER, WARNING, and CAUTION. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which **will** result in severe personal injury or death. WARNING signifies hazards which **could** result in personal injury or death. CAUTION is used to identify unsafe practices which **would** result in minor personal injury, or product and property damage.

⚠ **WARNING: Before installing or servicing unit, always turn off all power to unit. There may be more than 1 disconnect switch. Turn off accessory heater power if applicable. Electrical shock can cause personal injury or death.**

→ INTRODUCTION

The single point wiring kit is designed to allow single circuit field wiring to 15 kw and 20 kw fused electric heaters. Refer to fan coil pre-sale literature for electric heater kit numbers that can be converted from dual circuit to single circuit electrical supply.

NOTE: When using single point wiring kit, wire size and over-current protection device must be based on single circuit electrical data. Consult pre-sale literature.

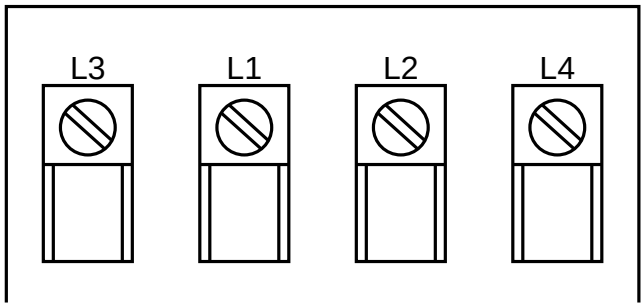
→ INSTALLATION

1. Install 15 kw or 20 kw fused electric heater kit per Installation Instruction.
2. Install lug adapters in fuse box lugs and tighten securely. (See Fig. 1.)
3. Connect single circuit field power supply wiring to lug adapters. (See Fig.1.)
4. Connect ground lead from field power supply to unit ground lug.

Form: AG-FB4A-18 Cancels: AG-FB4A-05 Printed in U.S.A. 10-97 Catalog No. 63FB-4A1

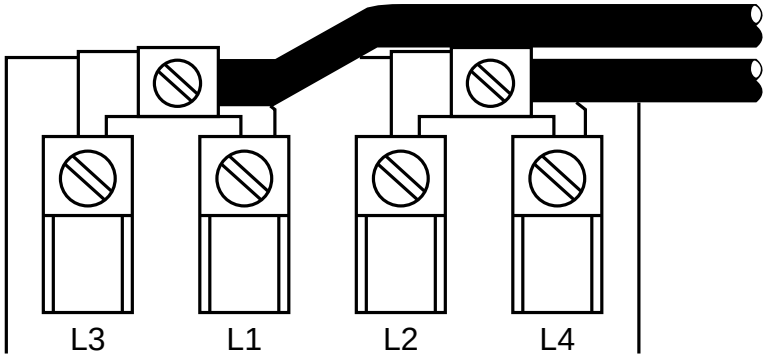
LUG ADAPTER KIT

BEFORE LUG ADAPTER
INSTALLATION



FUSE BLOCK

AFTER LUG ADAPTER
INSTALLATION



INSTALLATION MAY BE AIDED BY FIRST
ATTACHING ADAPTER LUGS TO WIRE
THEN POSITIONING LUGS TO FUSE BLOCK

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Fig. 1—Single Point Wiring Conversion